

Continuous anodic oxidation ...

21286

Z/032/61/011/008/005/009
E073/E535

X

voltage of an 8 μ layer is about 200 V r.m.s. and can be doubled by impregnation. The thus insulated conductors can be wound by conventional methods with a minimum curvature of eight times the wire diameter. These aluminium conductors enable increasing the thermal class of the windings and reducing the total weight of electrical machinery; pilot plant manufacture of these conductors has commenced.

1960, Prague: SVÚOM 45/60

[Abstractor's Note: Complete translation.]

Card 2/2

OLSANSKY, Cestmir; VYCHYTOVA, Hana

Determining the consistency of hard cheese; cheese maker's evaluation. Part 4. Prum potravin 14 no.1:41-43 Ja '63.

1. Vyzkumny ustav mlekarensky, Praha, Pracoviste Zeletava (for Olsansky). 2. Lactum, n.p., Brno, pracoviste Zeletava (for Vychytova).

KOS, Jiri; VYCICHL, Josef; TICHY, Milos. Technicka spoluprace: MARSIKOVA, Eva; GRUSEROVA, Bozena.

About various factors influencing the determination of plasma potassium. Sborn. vod. prac. lek. fak. Karlov. Univ. 7 no.5: 707-716 '64.

CORT, J.H.; KLEINZELLER, A.; HOFMAN, J.; VYČICHL, J.

Relation of mercurial diuretics to calcium metabolism. Cesk. fysiол.
8 no.3:176-177 Apr 59.

1. Ustav pro choroby obehu krenniho, Laborator pro studium latkove pre-
meny bunek a tkani BU CSAV, Praha, II. interni klinika VIA, Hradec Kralove.
Predneseno na III. fysiologickych dnech v Brne dne 14. 1. 1959.

(CALCIUM, metab.

eff. of mercurial diuretics (Cz))

(DIURETICS, MERCURIAL, eff.

on calcium metab. (Cz))

Vacichlo, F

For 2000-2001-2002-2003-2004

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vyčíslo. F. ...

... a circle of the first system $y' = y'(s)$. Then we may say that this second system is pseudoparallel.

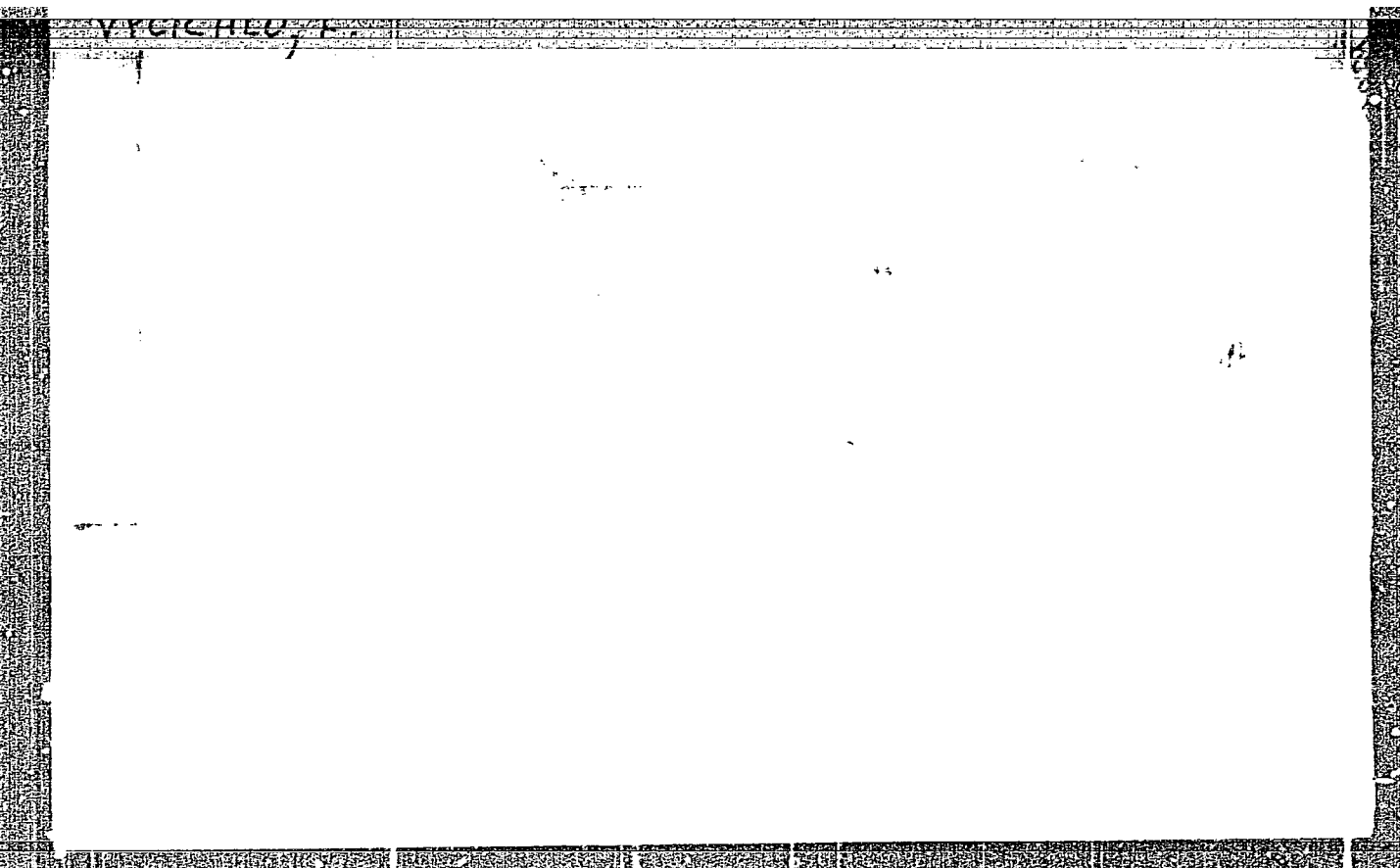
$$\frac{dy}{ds} = \frac{ay'}{ds} + \frac{dx}{ds} \frac{dy'}{ds} = \frac{dx}{ds} \frac{dy'}{ds} = 0.$$

The geometrical significance in circle language is given. The author calls Dy'/ds the absolute conformal derivative of the system $y'(s)$. The question of reciprocity between $y'(s)$ and $y''(s)$ is not considered but a continuation is promised.

J. A. Schouten (Epe).

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961330001-7



APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961330001-7"

✓ Kofínek, Vladimír; and Vyřichlo, František. Academician Vojtěch Jarník on his sixtieth birthday. Pokroky Mat. Fys. Astr. 3 (1956), 1-8 (1 plate). (Czech)
A general and scientific biography with a photograph.

3w
VI

VYICIL, J.

Stop motion for drawing frames. p. 85.

(Textil. Vol. 12, no. 2, Mar. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

YICIBALCO, FRM W/15ER

THEORY OF ELASTICITY. PART. PROBLEM OF THE MATHEMATICAL
theory of elasticity in further volumes.

The whole book is written in a modern mathematical
style of the type: definition - theorem - proof, supple-

1/4

On the structure of the ...

introduced by a procedure similar to that used by
Muskelishvili and their characteristics are studied in
simply and multiply connected, limited and infinite

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BABUŠKA IVO a.d. KROKOVSKÝ Karel ...

on the boundary) and of the second problem of elasticity
(the components of displacement given on the boundary

problems formulated in the second chapter by means of

calculating the stress in a crane hook. At the end of the
chapter the possibility is shown of transforming the
Lauricella-Sherman equation for multiply connected
bodies into a system of integral equations and the ad.

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of elasticity by means of the method of conformal
mapping. The conformal mapping is used to
transform the domain of the problem into a
domain where the problem is simpler to solve.

CZECH/3-60-5-17/40

1(1,2,3)

AUTHOR: Východský, Jan

TITLE: In Kunovice the New "Morava"

PERIODICAL: Křídla Vlasti, 1960, No 5, pp 14-15

ABSTRACT: The Czechoslovak L-200A "Morava"¹ aircraft, built by the "Strojirny První Pětiletky" (Engineering Plt of the First Five Year Plan) in Kunovice, is a developed version of the L-200 "Morava" series, featuring improvements in performance and passenger comfort, such as an increased take-off performance, range, load carrying capacity, and a restyled interior. The twin-engine aircraft, which can be used as an executive, business, sports and aero-taxi aircraft, is an all-metal, low-wing cantilever monoplane, powered by two M 337 supercharged, in-line, air-cooled engines with direct fuel injection, each developing 200 HP at take-off, driving two-blade, electrically controlled

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CZECH/3-60-5-17/40

In Kunovice the New "Morava"

V 410 propellers. The fuselage is of semi-monocoque construction, its center-section being a roomy cabin which seats the pilot and four passengers. The tricycle landing gear is retractable, with a steerable nosewheel fitted with shimmy dampers and parking brakes; the wheels can be replaced by metal skis. The roomy, sound-proofed, air-conditioned cabin has two doors on either side; if desired by the customer, portable oxygen equipment, an autopilot and dual controls can be installed. The instrument panel features a Czechoslovak-made UHF transceiver and is designed for the installation of two radio-communication and one standby radio-communication sets. The seats, equipped with individual electric lighters and ashtrays, have a foam rubber upholstery with replaceable covers; the front seats are adjustable with reclining seatbacks, convertible into couches for "stretch-out" comfort. There

Card 2/5

CZECH/3-60-5-17/40

In Kunovice the New "Morava"

is a light baggage shelf behind the rear seats, which can also hold light radio-navigational equipment, and a heavy baggage compartment accessible both from the cabin and from outside. The trapezoid wings are two-spar structures, with slotted flaps. Fuel is carried in main wing-tip tanks and in auxiliary internal wing tanks. The tail unit consists of twin fins and rudders with mechanically operated, self-locking trim tabs. The L-200A is designed for a variety of duties. Without structural alterations, just using reclined seats, it can be used as an ambulance aircraft, further for photogrammetric and geological survey purposes, and its excellent flight characteristic make it suitable for training crews of multi-engine aircraft, and for instrument flying-training. Specially adapted, it can be used for radio-navigator training. Its special ambulance version



Card 3/5

CZECH/3-60-5-17/40

In Kunovice the New "Morava"

seats the pilot and accommodates two patients and one physician. The aircraft's all-weather performance is assured by the installation of special radio-navigational blind-flying instruments, propeller and leading-edge deicing equipment, and front window de-frosters. Technical and performance data: Span 12.32 m; wing area 17.28 sq m; length 8.61 m; height of fuselage 1.47 m; width of fuselage 1.40 m; wheel track 3.47 m; wheel base 2.81 m; ground angle 3° ; distance between engines' axis 3.40 m; weight empty (standard equipment and radio) 1,275 kg; payload 675 kg; maximum landing weight 1,950 kg; wing loading 113 kg/sq m; performance with two engines: maximum speed w/o supercharger (H=0) 290 km/h; maximum speed with supercharger (H=1,750 m) 305 km/h; cruising speed with supercharger (H=2,600 m) 293 km/h;

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CZECH/3-60-5-17/40

In Kunovice the New "Morava"

cruising speed w/o supercharger (H=0) 259 km/h;
maximum rate of climb w/o supercharger 5.2 m/sec;
maximum rate of climb with supercharger (H=1,500 m)
4.9 m/sec; practical ceiling with supercharger
5,700 m; practical ceiling w/o supercharger 4,900 m;
technical range at maximum cruising regime (H=3,600 m)
1,600 km; technical range at most practical cruising
regime (H=3,000 m) 1,710 km; performance on one
engine: single-engine maximum rate of climb with
supercharger (H=0) 1.5 m/sec; theoretical single-
engine ceiling with supercharger 2,000 m. There are
6 photos and 1 set of technical drawings. ✓

Card 5/5

FIXA, Bohumil; VYCICH, Josef; ZARUBA, Karel; KOS, Jiri; VODICKA, Karel

Hepatorenal syndrome. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad
Kral) (Suppl.) 4 no.3:271-282 '61.

1. II. interni klinika; prednosta prof. MUDr. V. Jurkovic.
(LIVER DISEASES case reports) (KIDNEY DISEASES case reports)

The entire ...

ELEFANT, E.; VYCHYTIL, O.; TOSOVSKY, V.; JELINEK, J.

Ladd's syndrome. Cesk.pediat. 14 no.12:1064-1069 D '59.

1. III.detska klinika Karlovy university v Praze, prednosta prof.
Dr. O. Vychytil. Detska chirurgicka kl8nika v Praze, prednosta
doc.dr. V. Kaika.

(INTESTINAL OBSTRUCTION in inf.& child.)

(DUODENUM abnorm.)

Vycichlo, F.

Director Josef Pithardt dies. P. 127
CASOPIS PRO PESTOVANI MATEMATIKY. (Ceskoslovenska akademie ved.
Matematicky ustav) Praha
Vol. 81, no. 1, Apr. 1956

Source: EEAL - LC Vol. 5. No. 10 Oct. 1956

Vycichlo, F.

Congress of Italian Mathematicians. P. 130
CASOPIS PRO PESTOVANI MATEMATIKY. (Ceskoslovenska akademie ved.
Matematicky ustav) Praha
Vol. 81, no.1, Apr. 1956

Source: EEAL - LC Vol. 5. No. 10 Oct. 1956

ZNAMENACEK, K.; PRIBYLOVA, H.; technicka spoluprace: VYDLAKOVA, H.;
KUPKOVA, K.; CIHLAROVA, K.; NOVAKOVA, S.

Effect of glucose and insulin administration on the glycemic curve
in newborn infants. Cesk. pediat. 18 no.2:104-109 F '63.

1. Ustav pro peci o matku a dite v Praze, reditel doc. dr. M.Vojta,
vedouci pediatrickeho vyzkumu doc. dr. K.Polacek, CSc.
(GLUCOSE) (INSULIN) (BLOOD SUGAR)

KAMENSKIY, I.V.; TSEYTLIN, G.M.; RENARD, T.L.; VYDOGSKIY, Ya.S.

Polymeric materials based on the condensation products of alicyclic ketones with aldehydes. Synthesis and study of polyesters based on 2,2,6,6-tetra(hydroxymethyl)cyclohexanol and 2,2,5,5-tetra(hydroxymethyl)cyclopentanone. Plast. massy no.6: 18-20 '63. (MIRA 16:10)

BRISKMAN, I.P., inzh., red.; VIDRA, A.Ya., inzh., red.; VIKOTSKAYA, M.P., inzh., red.; GORDIYENKO, M.G., inzh., red.; ZORUK, V.L., inzh., red.; STARIKOVICH, P.K., inzh., red.; OVSYANNIKOV, Ya.S., red.

[Use of fast dyes and special types of finishes in the textile and knit goods industry; from the materials of the Republic Seminar] Primenenie stoikikh krasitelei i spetsial'nykh vidov otdelok v tekstil'no-trikotazhnoy promyshlennosti; po materialam respublikanskogo seminar. Kiev, In-t tekhn. informatsii, 1962. 181 p.

(MIRA 17:11)

1. Respublikanskiy seminar po primeneniyu sinteticheskikh krasiteley i spetsial'nykh vidov otdelok v tekstil'no-trikotazhnoy promyshlennosti, Kiev, 1961. 2. Ukrainskiy nauchno-issledovatel'skiy institut po pererabotke iskusstvennykh i sinteticheskikh volokon (for Gordiyenko).

VYDRA, A.Ya.; ZALICHENKO, Z.Ya.; DERBAREMDIKER, P.Z.

Effect of the concentration of the sizing solutions and
additives on the viscosity of the product. Leh.prom. no.1:
66-70 Ja-Mr '62. (MIRA 15:9)

1. Darnitskiy shelkovyy kombinat.
(Sizing)

BOGOYAVLENSKAYA, N.V.; CHERNENKO, V.I.; BABCHENKO, V.A.; VYDRA, E.I.

Thermodynamics of the reduction of oxides by sodium hydride in
an alkaline melt. Ukr. khim. zhur. 31 no.8:793-798 '65.
(MIRA 18:9)

1. Ukrainskiy nauchno-issledovatel'skiy trubnyy institut.

I 1587-66 EPA(s)-2/ENT(m)/EPF(t)/EWP(1)/ZPP(n)-2/EWP(t)/EWP(s)/EWP(b) LF(c)
JD/WW/JH/HW/JG/WE/MJW(CL)

ACCESSION NR: AP5020952

UR/0073/65/031/008/0793/0793

45
44
B

AUTHOR: Bogoyavlenskaya, N. V. ; Chernenko, V. I. ; Babchenko, V. A. ;
Vydra, E. I.

TITLE: Thermodynamics of oxide reduction by sodium hydride in an alkaline melt

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 31, no. 8, 1965, 793-798

TOPIC TAGS: metal oxidation, degassing, deoxidation, sodium compound,
chemical reduction, alkali, steel, iron base alloy, nickel base alloy, titanium
base alloy, chromium base alloy

ABSTRACT: Alkali acid treatment of special steels and alloys is frequently ineffective because oxidation products are incompletely removed, the process is lengthy, and defects may form on the treated surface. Treatment of metallic bodies in an alkaline melt containing sodium hydride seems promising. This was investigated under laboratory conditions for steel, technically pure metals, and alloys based on iron, nickel, titanium and chromium. Probability estimation of the cleaning effect was attempted by calculating the standard changes of the isotactic-isothermic potentials for such reactions (ΔZ^0_T). Results of such calculations are

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ACCESSION NR: AP5020952

shown for various metals at 648 K, the temperature which was found optimal for this reduction process. The formula was

$$\Delta Z_T^0 = \Delta H_{298}^0 - T\Delta S_{298}^0 + C_{p,298} T \left(1 - \frac{298}{T} + 2.3 \lg \frac{298}{T} \right),$$

where ΔH_{298}^0 is enthalpy change, ΔS_{298}^0 the entropy change, $\Delta C_{p,298}$ change in molecular heat capacity, and T the absolute temperature. Ways for finding these values are shown, laboratory results are reported, and experimental conditions are described. The high negative value of Z_{648} pointed towards spontaneous reduction of 3 layers of iron oxides. The positive Z value obtained for TiO_2 points towards the impossibility of reducing titanium oxides to the pure metal with this cleaner, but they can be reduced to TiO . The same applies to chromium. Optimal values for temperatures (320-400 C), length of processing (5-25 min) and concentrations in NaH are tabulated. Increasing temperature above 340C and decreasing hydride concentrations to below 1.8% slowed down the process. Further reports are given for steels and alloys which had to undergo

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L 1587-66

ACCESSION NR: AP5020952

subsequent and short acid treatment. Chromium had to be further cleaned with a saturated potassium bichromate solution in nitric acid and then with 10% hydrochloric acid. Theoretical results agreed satisfactorily with laboratory and pilot plant tests. Orig. art. has: 4 formulas, 3 figures and 1 table

ASSOCIATION: Ukrainskiy nauchno-isslevoatel'skiy trubnyy institut
(Ukrainian Scientific Research Institute for Tubes)

SUBMITTED: 09Mar64

ENCL: 00

SUB CODE: MM, IC

NR REF SOV: 006

OTHER: 000

Card 3/3

SP

VYDRA, F.

Soukupova, M. Qualitative analysis of minerals and ores by the method of grinding.
p. 320.

SOVETSKA VEDA: CHEMIE, Prague, Vol. 4, no. 3, 1954.

SO: Monthly List of East European Accessions. (EEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

VYDRA, F.

VYDRA, F. Complexometric titrations (chelatology). XVIII. Determination of nickel and copper in cobalt and its salts. p. 539. Vol. 50, no. 4, Apr. 1956. CHEMICKÉ LISTY. Praha, Czechoslovakia.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

VYDRA, F.

CZECHOSLOVAKIA

VORLICEK, J., VYDRA, F.

Research Institute ZIII, Mníšek pod Brdy, and J. Heyrovsky Institute of Polarography, Czechoslovak Academy of Sciences, - Prague - (for both).

Prague, Collection of Czechoslovak Chemical Communications, No 12, December 1965, pp 4272-4279

"Amperometry with two polarisable electrodes. Part 1: Chelometric determination of iron (3) with Pt-Pt electrode system indication." (For the 75th birthday of Academician J. Heyrovsky).

CZECHOSLOVAKIA

VYDRA, F; VORLICEK, J.

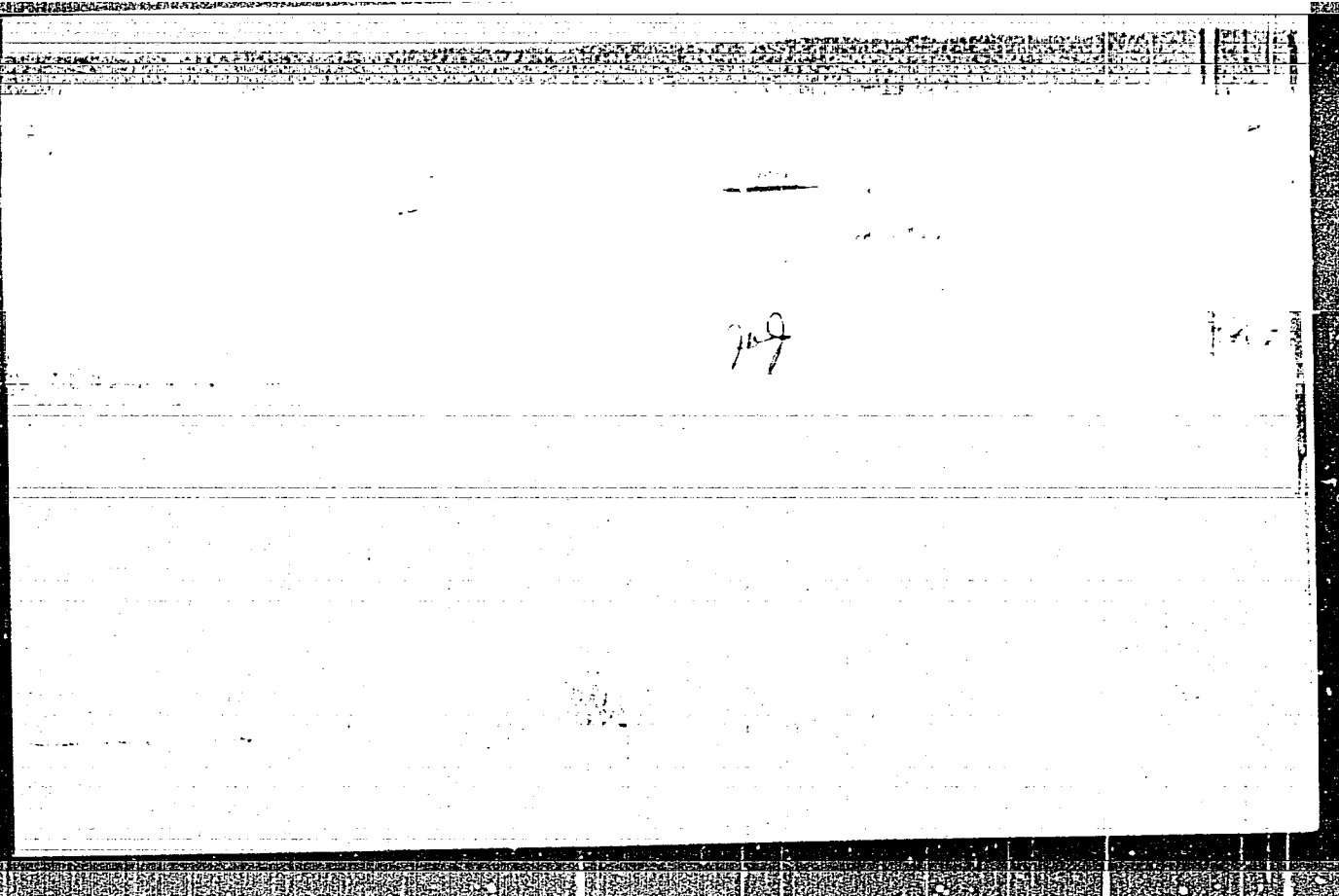
1. J. Heyrovsky Institute of Polarography, Czechoslovak Academy of Sciences, Prague - (for ?); 2. Research Institute of Iron Ore Mines, Mnisek pod Brdy - (for ?)

Prague, Collection of Czechoslovak Chemical Communications,
No 1, January 1966, pp 51-57

"Amperometry with two polarizable electrodes. Part 4: Direct
chelometric determination of thorium."

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961330001-7



APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961330001-7"

VYDRA, F.

7.
The use of fluorescein complexon. J. Korb, F. Vydra;
and R. Pijhl (Czechoslovakian Acad. Sci., Prague). Ta-
bula 1, 281-2(1953).—In complexometric titrations, it is
recommended that NaOH and other Na salts be avoided in
procedures with fluorescein complexon. B. L. Rosenfeld

5
27 May

J. G.

VYDPA

1. Determination of Total BASES OF VYDPA

2. 1953-54 (II) 1764-1765 By 1953-54

"APPROVED FOR RELEASE: 09/01/2001

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961330001-7"

VYDRA, Frantisek; MARKOVA, Vera

Colorimetric determination of silver. Chem listy 57 no.9:
958-961 S '63.

1. Polarograficky ustav, Ceskoslovenska akademie ved, Analyticka
laborator, Praha.

VYDRA, Frantisek

Colorimetric determination of iron by k. 10-phenathroline.
Chem listy 57 no. 12: 1259-1263 D '63.

1. Polarograficky ustav, Coskoslovenska akademie vod,
Analyticka laborator, Praha.

VORLICEK, Jan, RNDr.; VYDRA, Frantisek, inz. CSc.

Direct determination of iron (III) in ores. Sbor Vyzk
ust Mnisek 4:229-232 '64.

1. Research Institute of the Zelezorudne doly a hrdkovny
National Enterprise, Mnisek (for Vorlicek).
2. Institute of Polarography, Czechoslovak Academy of
Sciences, Prague (for Vydra).

VYDRA, Frantisek (Praha 1, Jilska 16); PRIBIL, R. (Praha 1, Jilska 16)

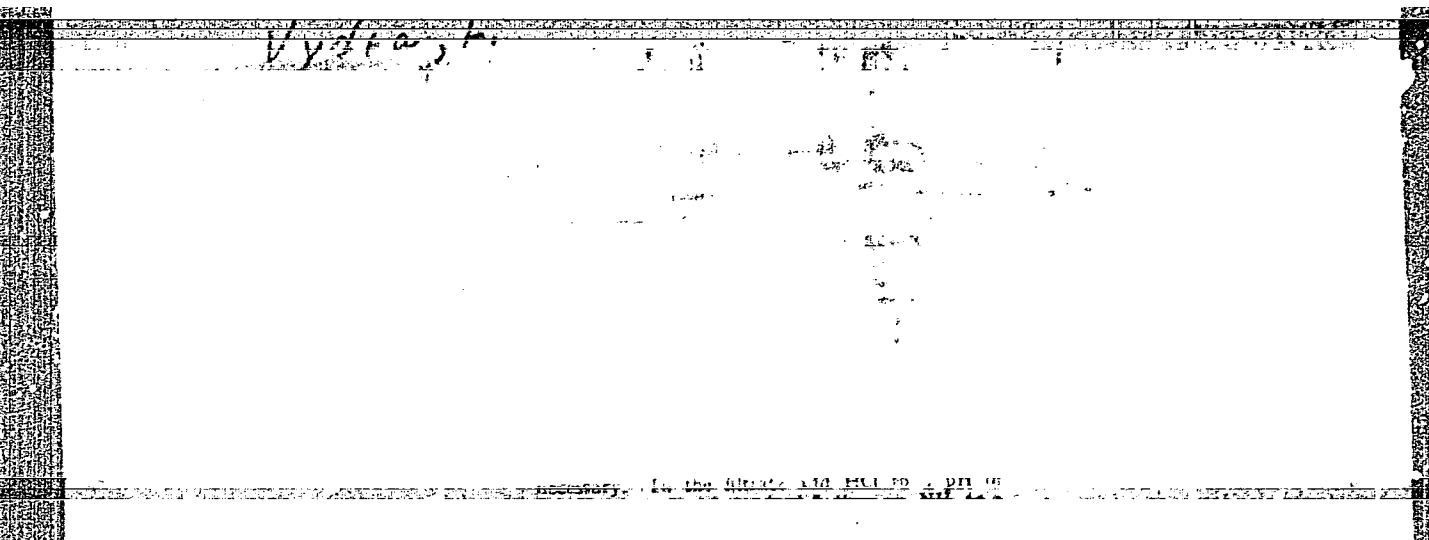
Oxidation of cobalt (II)-salt with iron(III)-salt in presence of 1.10-phenanthroline and its application in analytical chemistry. Acta chimica Hung 28 no.1/3:297-302 '61. (EEAI 10:9)

1. Institut für Geochemie und anorganische Rohstoffe, Tschechoslowakische Akademie der Wissenschaften, Analytisches Laboratorium, Prag.

(Cobalt) (Salts) (Iron) (Phenanthroline)

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APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961330001-7"

VYDRA, F.

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Inorganic Substances. E-2

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 14209.

Author : Vydra F., Karlik M.

Inst :

Title : Conductometric Methods of Complexometric Titration. II.
Determination of Total Hardness of Water.

Orig Pub: Sb. chekhosl. khim. rabot, 1957, 22, No 3, 979-981

Abstract: See RZhKhim, 1957, 51566.

Card : 1/1

Technical Paper, Czechoslovakia, Chem. List,
1957, 51 (4), 768-770. — Absorption curves of halogen

7

the other hand, the fact that the
user of the system is not aware of the
existence of the system is a serious
drawback. The system is not designed
to be used by the user. It is designed
to be used by the system. The system
is designed to be used by the system.
The system is designed to be used by
the system. The system is designed to
be used by the system. The system is
designed to be used by the system.

VYDRA FRANTISEK

CZECHOSLOVAKIA/Analytical Chemistry / Analysis of
Inorganic Substances.

E-2

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24744

Author : Vydra Frantisek, Celikovsky Jaroslav

Inst : -

Title : Determination of Gold by the Method of Ultraviolet
Spectrophotometry.

Orig Pub : Chem. listy, 1957, 51, No 4, 768-770

Abstract : Description of a spectrophotometric method of determination of Au in the form of AuCl_4^- . The Au sample to be analyzed is dissolved in aqua regia, evaporated several times with HCl, the residue is dissolved in 0.1 N HCl and photometered at 311.5 m μ (the maximum of light absorption of AuCl_4^- is at this wave length; molecular extinction coefficient is 5760). With 4-30/ml Au the determination error is about $\pm 1.07\%$. Within the range of 0.1-5 N HCl the effect of HCl concentration in the solution can

Card 1/2

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Inorganic Substances.

E-2

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24744

be disregarded; presence of NaCl also does not interfere up to concentration 0.1-1 N. At pH above 2.5 (acetate buffer solution) a lowering of extinction is observed. An analogous determination of Au in the form of AuBr_4^- (light absorption maximum at 254 m μ ; molecular extinction coefficient 42560; determination error $\pm 3.3\%$) is interfered with by traces of Br_2 present in 0.1 N HBr. However, in this case 0.1 N KBr can be used which at normal temperature quantitatively converts AuCl_4^- to AuBr_4^- .

Card 2/2

12

CZECHOSLOVAKIA/Optics - Optical Methods of Analysis

K-8

Abs Jour : Ref Zhur - Fizika, No 12, 1958, No 28834

Author : Vydra F., Celikovsky J.

Inst : Not Given

Title : Spectrophotometric Determination of Gold in the Ultraviolet
Region

Orig Pub : Collect. Czechosl. chem. commun., 1958, 23, No 3, 539-542

Abstract : Translation from Chem. listy, 1957, 51, 768.

Card : 1/1

KOPANICA, M.; VYDRA, F.

Indirect amperometric cobalt determination. Coll Gz Chem 28 no.1:
262-264 Ja '63

1. Polarographisches Institut, Tschechoslowakische Akademie der
Wissenschaften, Prag.

VORLICEK, Jan, RNDr.; VYDRA, Frantisek, inz., CSc.

Direct complexometric determination of Fe^{3+} in ores. Hut listy
18 no.10:733-734 0 '63.

1. Vyzkumny ustav ~~zrakovych~~ dolu a hrudkoven, Mnisek pod Brdy
(for Vorlicek). 2. Polarograficky ustav, Ceskoslovenska akademie
ved, Praha (for Vydra).

CZECHOSLOVAKIA

VYDRA, F.; MARKOVA, V.

J. Heyrovsky Polarographic Institute, Czechoslovak
Academy of Sciences (Polarographisches Institut J.
Heyrovsky, Tschechoslowakische Akademie der Wissen-
schaften), Prague (for both)

Prague, Collection of Czechoslovak Chemical Communications,
No 3, March 1966, pp 1398-1402

"Sorption of zinc and silicagel and their use in the
detection of zinc in copper."

SHUL'TSEK, Z. [Sulcek, Z.]; VYDRA, F.

Volumetric determination of cobalt in ores having a high content of arsenic and bismuth. Zav. lab. 29 no.9:1047-1049 '63.
(MIRA 17:1)

1. Tsentral'nyy geologicheskii institut i Polyrograficheskii institut AN Chekhoslovatskoy Sotsialisticheskoy Respubliki.

VYDRA, F.
SOUKUPOVA, M.

Use of iodic acid reaction in inorganic quantitative chemistry. p. 210.
(CHEMIE, Vol. 7, no. 11, Nov. 1951, Czechoslovakia)

SO: Monthly List of East European Accessions, Vol 2 #8, Library of Congress,
August 1953, Uncl.

VDRA, F.; KARLIK, M.

"Conductometric titration in chelatometry. II. Determination of the total hardness of water. In German."

p. 979 (Collection of Czechoslovak Chemical Communications. Sbornik Chekhoslovatskikh Khimicheskikh Rabot.) Vol. 22, no. 3, June 1957.
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

VIDRA, F. : KARLIK, M.

"Conductometric titration in chelatometry. I. Introductory communication. In German."

p. 401 (COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBORNIK
CHECKSHOSOLVATSKIKH KHMICHESKIKH RABOT. -- Praha, Czechoslovakia.)
Vol. 22, No. 2, April 1957

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958

PRIBYL, H.; VYDRA, F.

Complexometric titrations (chelatology). XLIII. Masking of some bivalent metals with O-phenanthroline. Selective determination of lead and aluminum. In German. Coll.Cz.Chem. 24 no.9:3103-3107 (KAI 9:5) S '59.

1. Analytisches Laboratorium, Institut für physikalische Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.
(Chelatology) (Metals) (Phenanthroline) (Lead) (Aluminum)

CUTA, F.; VIDRA, F.

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(Oleic acid) (Elaidic acid) (Palladium chlorides)

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Use of fluorescein complexon for tracing the argentometric titration.
Coll Cz Chem 26 no.9:2449-2452 '61.

1. Analytisches Laboratorium, Institut für Geochemie und mineralogische
Rohstoffe, Tschechoslowakische Akademie der Wissenschaften, Prag.

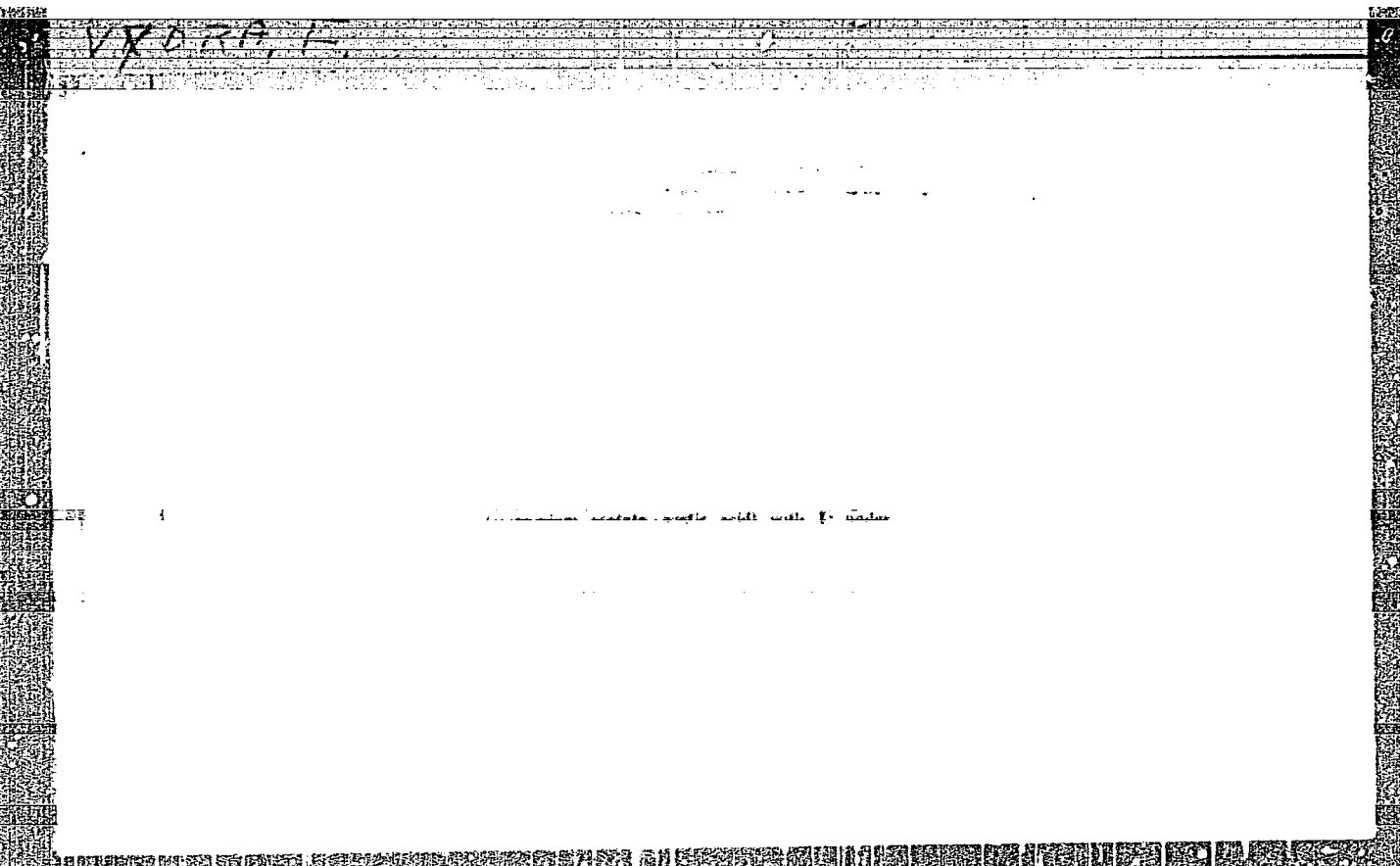
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VYDRA, F.

Spectrophotometric determination of gold in the ultraviolet region.

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Praha, Czechoslovakia

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CA: 47:11078

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SO: Monthly List of East European Accessions, (REAL), LC, Vol. 5, No. 6 June 1956,
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dolu, Kladno.

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Tree roots as a popular plaiting material. p. 271.
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1. Ustav jaderného výzkumu, Československá akademie věd.

VYDRA, Miroslav

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1. Ustredni rada Ceskoslovenske vedecko-technicke spolecnosti, Praha.

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V.A.; KOL'TSOV, M.M.; YAVNILOVICH, Ya.A.; FROLOVA,
L.A.; MOSYAKOV, Yu.F.

[Metal products for industrial use; a handbook] Metallo-
izdeliia promyshlennogo naznachenii; spravochnik. Pod
red. E.A.IAvnilovicha. Moskva, Metallurgiya, 1966. 727 p.
(MIRA 19:1)

AM-01 5697

BOOK EXPLOITATION

UR✓

14

Lovya rin. Mikhail Aleksandrovich; Korsa'kov, Vadim Mikhaylovich; Kaganer, Yakov

1. Floating metal docks (Metallicheskiye plavuchkiye dokki, Leningrad, Izd-vo "Gidrotex", 1964, 32 p., 21 cm., binding, inserts also inserted, 1,700 copies)

The book contains data determining parts, weight for designed docks, formulas giving the advantage as height important for strength, for floating during longitudinal launching etc. Special chapter is dedicated to a method compiling assignments used for dock designing. The book is intended for engineers and technicians working on designing, building and operation of floating docks. It is useful also for students of shipbuilding higher technical schools, universities and technical

TABLE OF CONTENTS (continued)

Introduction - - 3

1. General characteristics and classification of floating docks - - 9

2. General characteristics and classification of floating dock units - - 11

3. Strength of floating docks - - 15

1. General characteristic of the external force affecting the floating dock.

2. Interaction between the floating dock and the vessel - - 118

3. Calculation of the total longitudinal strength of the dock - - 118

4. Calculation of the total cross-sectional strength of the dock - - 152

5. Calculation of the hull torsion strength of the dock - - 172

7. Calculation of the floating dock strength during self-docking operation - - 218

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Ch. IX. Special designation docks - - 2/0

VYDREVICH, Ye. Z.; ZAYTSEVA, M.A.

Density of aluminate-alkali solutions. TSvet. met. 34
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(Aluminum--Metallurgy)
(Hydrometallurgy)

VYDREVICH, A. M.

SELITRENNIK, B. I. - i. o. Inzhenera. i VYDREVICH, A. M. Kand. Tekhn. Nauk.

Leningradskiy nauchno-issledovatel'skiy institut. Akademii kommunal'nogo
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Tsvetnyye fasadnyye izvestkovno-pylevidnokvartsevyye plity. Page 96

SO: Collection of Annotations of Scientific Research Work on Construction,
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[List of wholesale prices for metal elements used in industry.
In effect as of January 1, 1950, according to the decree of
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Preisikurant optovykh tsen na metalloizdeliia promyshlennogo
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Postanovleniia Soveta Ministrov SSSR No.5165 ot 14 noiabria
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tsvetnoi metallurgii, 1949. 599 p. (MIRA 11:1)

1. Russia (1923- U.S.S.R.) Ministerstvo metallurgicheskoy
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(Cables)

LOVYAGIN, Mikhail Aleksandrovich; KORSAKOV, Vadim Mikhaylovich
[deceased]; KAGANER, Yakov Borisovich; GARIN, Eduard
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Aleksandr L'vovich; BRAININ, Abram Isaakovich; GUBKIN,
Ivan Vasil'yevich; FINKEL', G.H., retsenzents; FOMENKO,
O.A., retsenzents; KLITORINA, T.A., red.

[Metallic floating docks] Metallicheskie plavuchie doki.
Leningrad, Sudostroenie, 1964. 335 p. (MIRA 18:1)

USSR .

Optical activity of gaseous methylvinylcarbinol. N. M. Ryzhenko, M. V. Vol'enskikh, and T. V. Vydrskikh. Inst. High-Molecular Physics, Acad. Sci. USSR, Moscow. (Received July 1, 1964).

The optical activity of methylvinylcarbinol (MVC) in the gas phase was determined by means of a described and illustrated modification of the apparatus described earlier (for ref. 1) in which the vapor to be measured was located in a heated tube with IR windows at reduced pressure. The sample was observed by means of a thermopile within the tube. It is defined earlier (for ref. 1) that the apparatus is used for temperatures from 50 to 100°C and the wave lengths 2.4, 3.4, and 4.4 μ . The accuracy is within 20-30%. J. W. Lowenberg, Jr.

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Equilibrium phases in the system $\text{Na}_2\text{O} - \text{Al}_2\text{O}_3 - \text{CaO} - \text{SiO}_2 - \text{H}_2\text{O}$.
Zhur.prikl.khim. 35 no.2:285-290 F '62. (MIRA 15:2)
(Systems (Chemistry)) (Phase rule and equilibrium)

VYDREVICH, Ye.Z.; ZAYTSEVA, M.A.; ORLOVA, A.N.

Diagrams for determining the density of aluminate sodium-
alkali solutions. TSvet. met. 36 no.10:56-60 0 '63.
(MIRA 16:12)

VIDREVICH, Ye.Z.

Isothermal section of the system $\text{Na}_2\text{O} - \text{Al}_2\text{O}_3 - \text{CaO} - \text{SiO}_2$ at 250° .
Zhur.prikl.khim. 35 no.12:2612-2620 D 162. (MIRA 16:5)
(Systems (Chemistry)) (Metallic oxides) (Silica)

VIDREVICH, Ye.Z.

Isothermal cross section of the system $\text{Na}_2\text{O} - \text{Al}_2\text{O}_3 - \text{CaO} - \text{SiO}_2 - \text{H}_2\text{O}$ at 300°C. Zhur.prikl.khim. 36 no.1:47-55 Ja '63. (MIRA 16:5)
(Oxides) (Phase rule and equilibrium)

VYDREVICH, Ye.Z.; GAL'PERIN, Ye.L.

Some equilibrium phases in the system $\text{Na}_2\text{O} - \text{Al}_2\text{O}_3 - \text{CaO} - \text{SiO}_2$
- H_2O . Zhur.prikl.khim. 34 no.9:1971-1979 S '61. (MIRA 14:9)
(Systems (Chemistry))

VYDRICH, V.I.; RUSAK, V.P.

Planetary milling head. Mashinostroitel' no.1:24 Ja '63.
(MIRA 16:2)

(Milling machines)

SOV/72-59-10-9/14

15(2)

AUTHOR:

Vydrik, G. A.

TITLE:

The Influence of the Dispersion of Technical Alumina on the Sintering of the Corundum Body

PERIODICAL:

Steklo i keramika, 1959, Nr 10, pp 35 - 39 (USSR)

ABSTRACT:

The positive influence of the increase in the degree of dispersion of technical alumina on the sintering of the corundum body was underlined in the papers by D. N. Poluboyarinov, V. L. Balkevich, and V. A. Bron. The present investigation which the author of this paper carried out at the MKhTI, was devoted to a determination of the quantitative dependence between the dispersion of technical alumina and the density of the baked body. Technical G₁ alumina was used unbaked, and baked at temperatures of 1450, 1750, and partly 1630° as initial material. The gradations of grain sizes are shown in tables 1 and 2. The sintering values obtained by the experiments are shown in a figure. The author further presents an empirical equation for the computation of the change in the weight by volume of the samples, as well as some computation data (Table 3). In connection with the work in the field of sintering, the scientists N. M. Pavlushkin

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The Influence of the Dispersion of Technical Alumina
on the Sintering of the Corundum Body

SOV/72-59-10-9/14

(Ref 1) and D. N. Poluboyarinov (Ref 2) are mentioned. The author states in conclusion that an empirical dependence was determined between the weight by volume of the corundum body and the degree of dispersion of the initial material. There are 1 figure, 3 tables and 2 Soviet references.

Card 2/2

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961330001-7

W.D.R.K., G.A.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961330001-7"

VYDRIK, G. A.

VYDRIK, G. A.--- "Study of Recrystallized Caking of a Corundum Body in Relation to the Degree of Dispersibility and Preroasting of Aluminum Oxide." Sub 25 Feb 52, Moscow Order of Lenin Chemicotechnological Inst Imeni D. I. Mendeleyev. (Dissertation for the Degree of Candidate in Technical Sciences.)

SO: VECHERNAYA MOSKVA, January-December 1952

ВЫДРИК, Г. А.

11 Jan 53

USSR/Engineering - Refractories,
Corundum

"On the Sintering of Corundum Products in Relation to the Preliminary Firing Temperature and Dispersion Degree of Commercial Alumina," D. N. Poluboyarinov, G. A. Vydrlik, Moscow Chemical-technological Inst imeni D. I. Mendeleev.

DAN SSSR, Vol 88, No 2, pp 325-328

Establishes existence of optimum temp 1,550-1,650° for preliminary firing of alumina; this temp provides for obtaining completely sintered corundum

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crook with Al_2O_3 content up to 99.7% and vol wt of about 3.80 at a lower sintering temp 1,650-1,700°. Presented by Acad D. S. Belyankin 15 Nov 52.

249725

VYDRIN, A.F.

Annual variation in the visible length of a meteor's path. Izv. AN
Turk. SSR no. 3:95 '55. (MLRA 9:5)

1. Institut fiziki i geofiziki AN Turkmenakoy SSR.
(Meteors)

S/169/61/000/010/030/053
D228/D304

AUTHOR: Vydrin, A. F. . . .

TITLE: A highly sensitive photoelectric magnetograph for the method of magneto-telluric profiling

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 10, 1961, 4, abstract 10G22 (Izv. AN TurkmSSR, Ser. fiz.-tekhn., khim. i geol. n., no. 1, 1961, 39-44)

TEXT: The results are stated for research on the development and testing under field conditions of two schemes of magneto-mechanical magnetographs with the photoelectric recording of magnetic variations of the earth's natural field during work on the method of magneto-telluric profiling. A photoelectric magnetograph, having a deep negative reverse connection for the magnetic field with application of a photoelement, was developed on the basis of the scheme of B. Ye. Bryunelli's photoelectric magnetograph. The sensitivity of the system is about 3 γ per 1 mm at a

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A highly sensitive...

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D228/D304

distance of 1 m to the scale. This scheme possesses a number of deficiencies and is unstable under field conditions. It is shown that a two-stroke autobalancing system for the photomultipliers, with the zero correction of the recording by an artificial magnetic field, is a more expedient scheme for the magnetometer. The sensitivity of this magnetograph may vary within the limits of 0.01 - 0.1 γ per 1 mm. The period of the recorded fluctuations of the geomagnetic field's microvariations is 6 sec. and above. The system is feebly-sensitive to changes in the charging voltage, which enables the cumbersome special sources of charging to be replaced by accumulators. The application of a two-stroke autobalancing system for the intensifier considerably reduced the layout and tuning of the magnetograph's emitter. The design of the magnetograph enables it to be used in the corresponding orientation for recording the declination.

[Abstracter's notes Complete translation.]

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